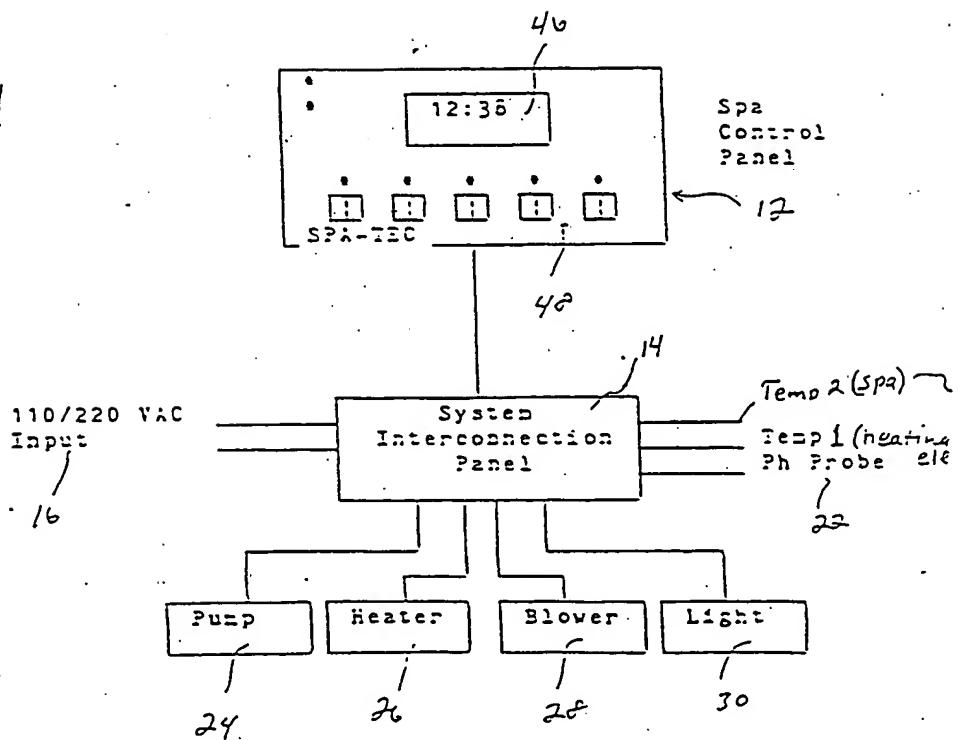


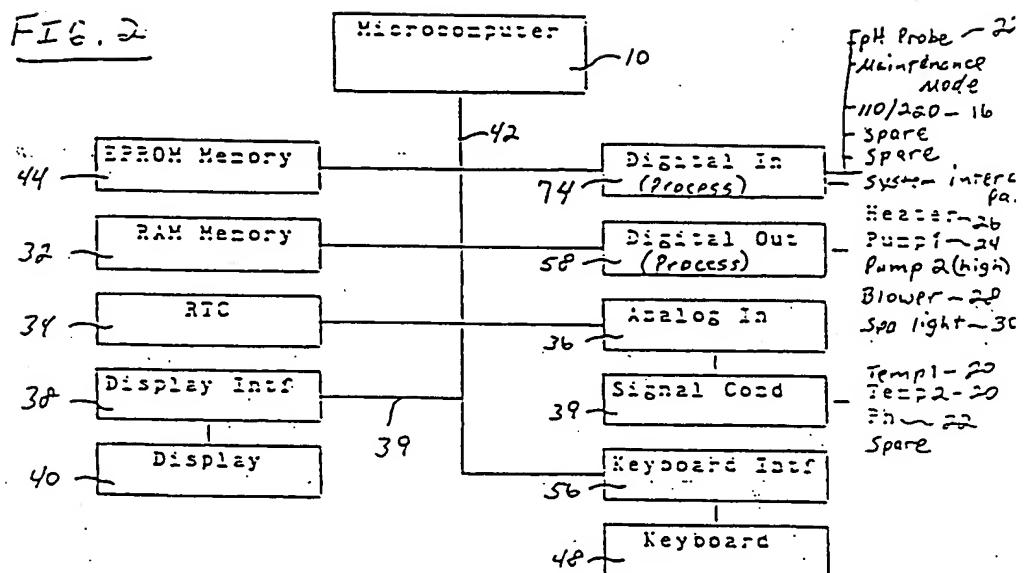
2000T00-6142600T

FIG. 1



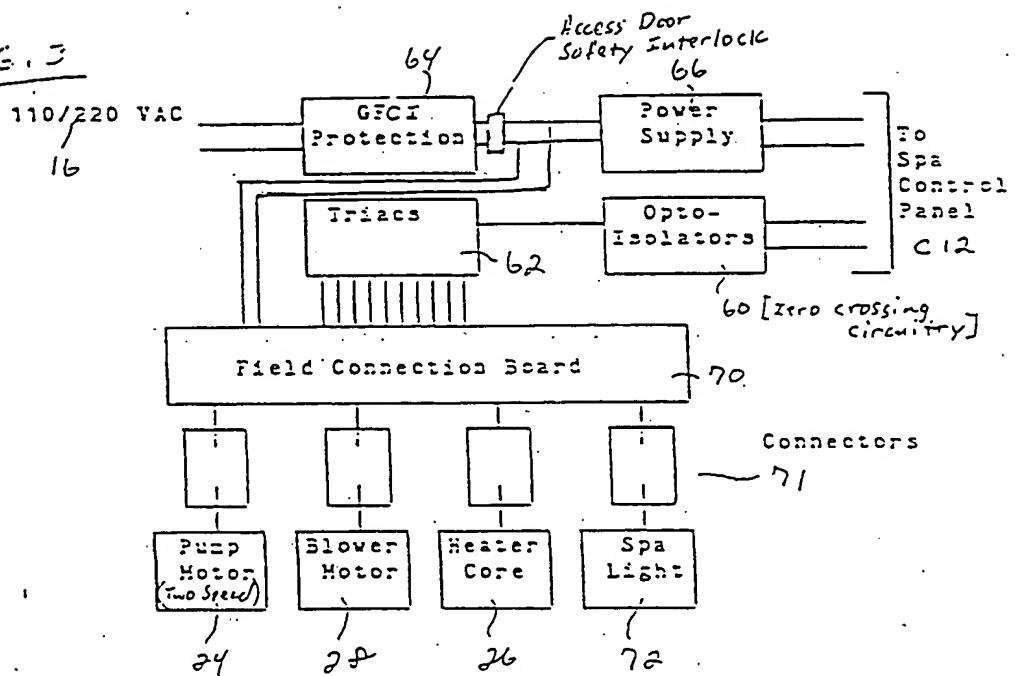
2000100-6625400T

FIG. 2



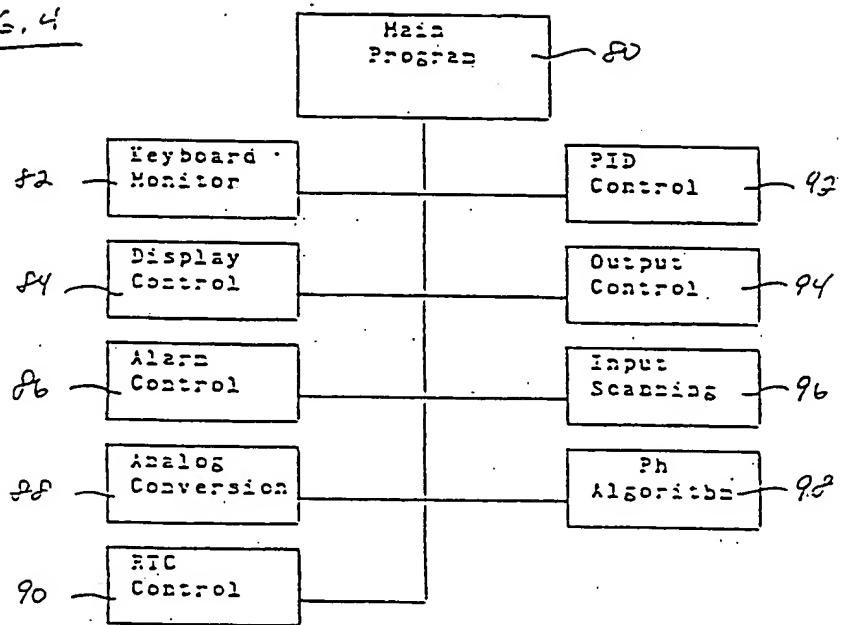
డెవిలోటర్ " రుస్కెల్ బిల్డింగ్

FIG. 3



20160410-00224000T

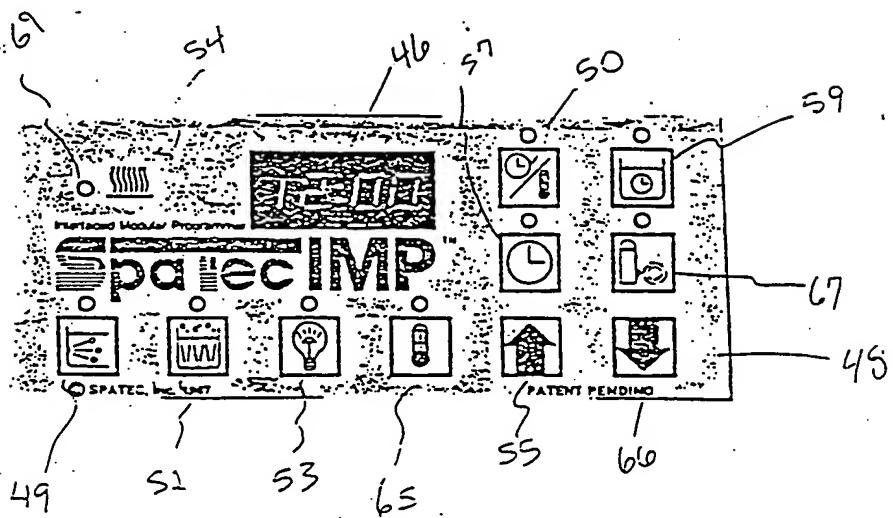
FIG. 4



**PRINT OF DRAWINGS  
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206010-6626907

FIG. 5



**PRINT OF DRAWINGS  
AS ORIGINALLY FILED**

FIG. 6 - Overall flow or control

reset ~100

initialization ~102

main program ~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

----- INTERRUPTS ENABLED -----

timer ~104 power fail interrupt ~104

power fail interrupt ~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

~104

200010-66426907

FIG. 7

Temp<sub>F</sub> = Desired temperature of Spa water

Temp<sub>1</sub> = Temperature at First Sensor (S<sub>1</sub>)

Temp<sub>2</sub> = Temperature at Second Sensor (S<sub>2</sub>)

Temp<sub>D</sub> = Temp<sub>1</sub> - Temp<sub>2</sub>

ΔL = Limit of acceptable temperature difference (plus or minus).

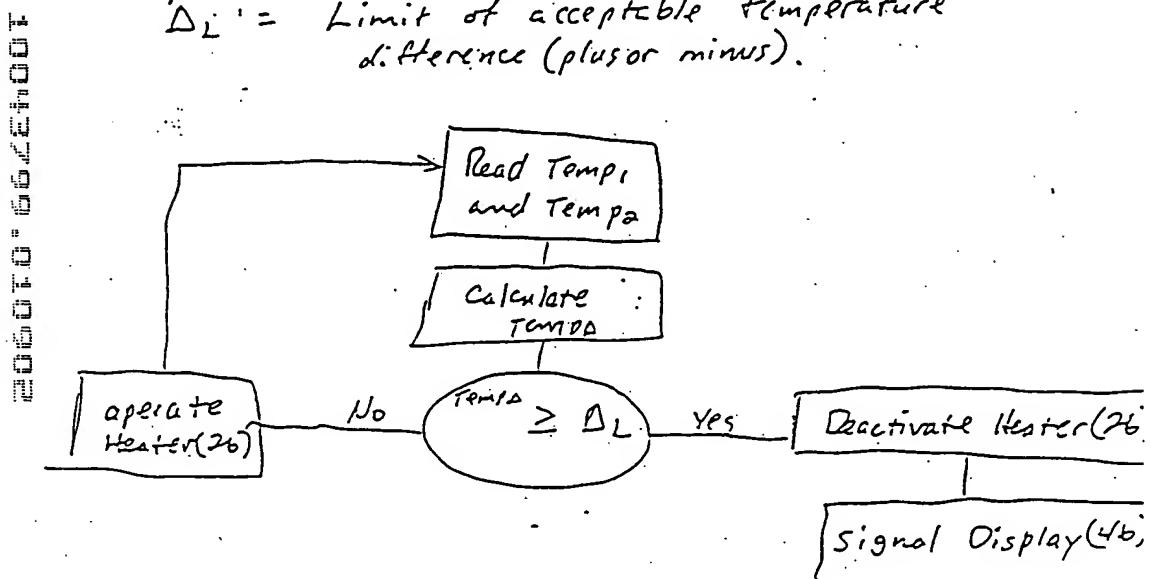
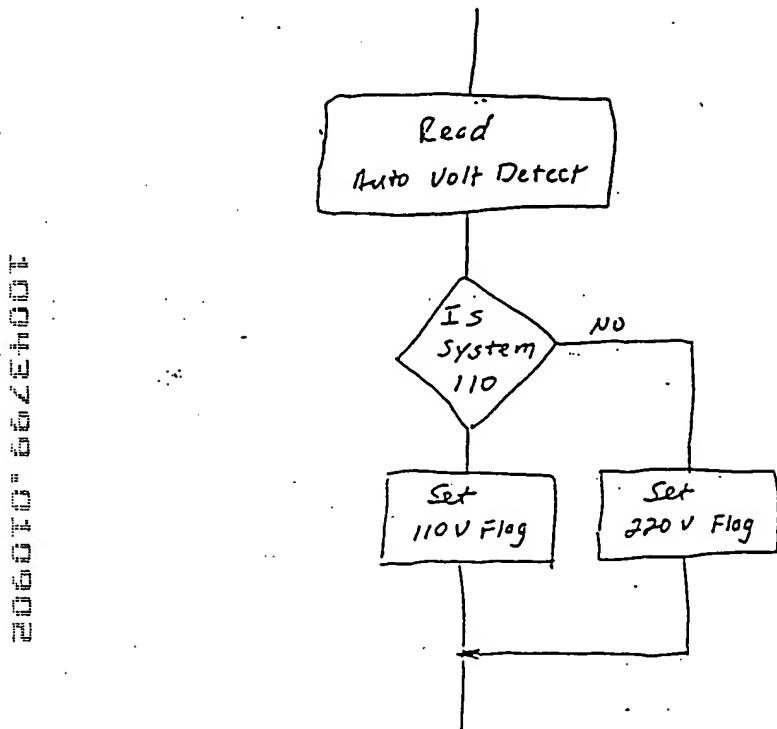


FIG. 8



206070-002E0007

FIG. 9

Rate = Rate of Heating

Rate<sub>Avg</sub> = Rate of Heating + average)

Temp<sub>F</sub> = Desired Temperature of Spa Water

Temp<sub>I</sub> = Initial temperature of spa water

Temp<sub>Δ</sub> = Temp<sub>F</sub> - Temp<sub>I</sub>

Time<sub>I</sub> = Time (initial)

Time<sub>F</sub> = Time (final)

Time<sub>Δ</sub> = Time<sub>F</sub> - Time<sub>I</sub>

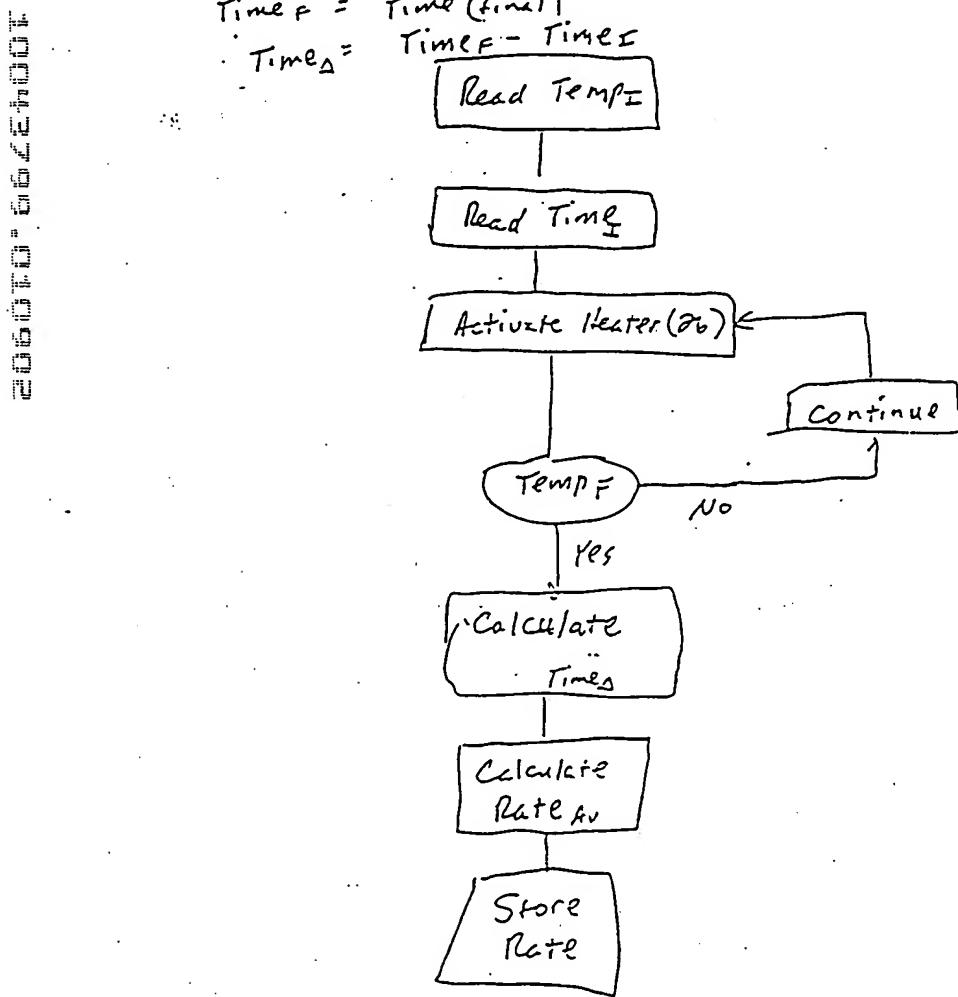


FIG 10

Temp<sub>I</sub> = Initial temperature of spa water

Temp<sub>F</sub> = Final temperature (desired) of spa water

Temp<sub>D</sub> = Temp<sub>F</sub> - Temp<sub>I</sub>

Rate = Rate of Heating

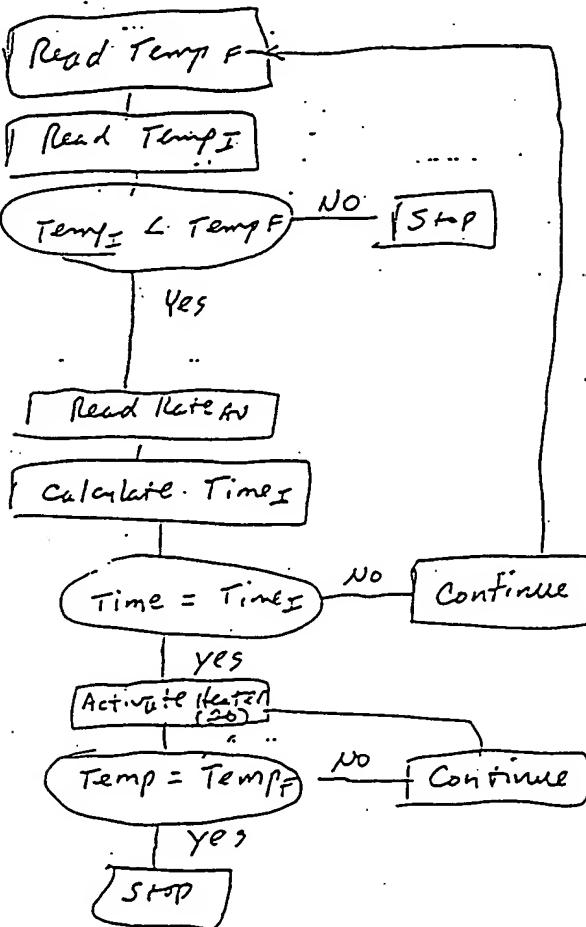
Rate<sub>AVG</sub> = Rate of heating (average)

Time<sub>I</sub> = Initial time

Time<sub>F</sub> = Final time

Time<sub>D</sub> = Time<sub>F</sub> - Time<sub>I</sub>

2060 TO 0° 66°C/HOOD T



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AS ORIGINALLY FILE

FIG. 11

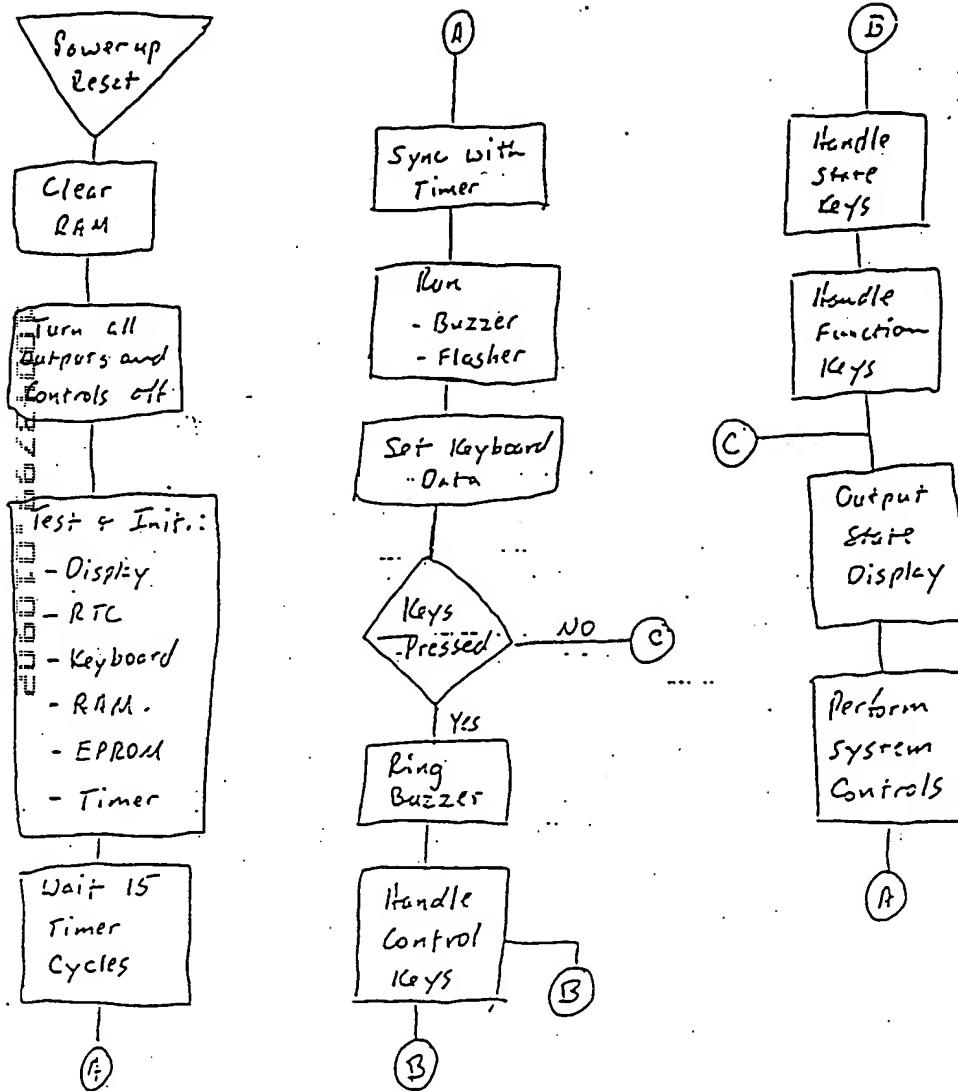


FIG. 12

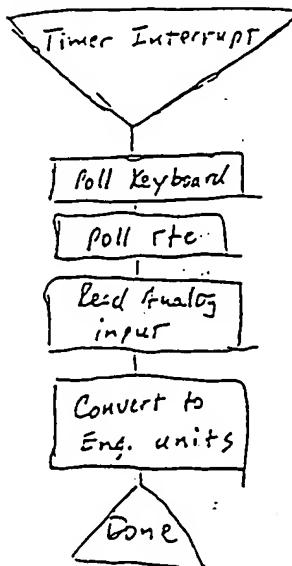


FIG. 13

